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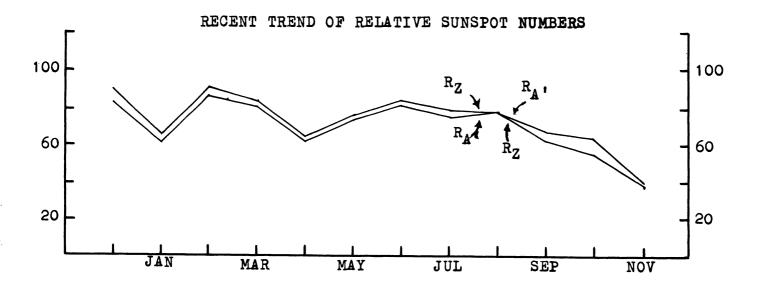
SOLAR ACTIVITY DURING NOVEMBER

One minor ionospheric disturbance was recorded by the observers of the Solar Division during November that could be considered as being caused by a "Solar Flare". This indicates a great reduction in activity from the previous month and tends to confirm the overall general downward trend of the sun's activity during this 20th cycle.

The event of the 22 November is shown on page two as recorded by A33, Mr. Robert J. Woolsey, Glen Ellyn, Illinois by the SES (Sudden Enhancement of Signal) method. Clippings from larger charts of the same event are also shown. Several other ionospheric disturbances were recorded on the thirtythree recordings made by observers in twenty two different locations, however these disturbances did not appear to have the characteristics of being caused by "Solar Flares". It has been noted that these ionospheric disturbances appear to become more numerous during the late fall and early winter months of the year in the northern hemisphere. The exact origin of these disturbances has not been definitely identified.

The mean of the American sunspot numbers fell considerably to 39.4 from 63.0 for last month.

November sunspots were more easily divided into groups with the lesser activity. A large single spot that came over the southeast limb on 11 November was almost certainly a return of the large spot which passed over to the invisible side of the sun on 27 October. On 19 November a spot came over the southeast limb which was a return of the large group which disappeared over the west limb on 4 November.



DAY	R _▲ •	${f R}_{f Z}$				DAY	R _▲ •	$\mathbf{R}_{\mathbf{Z}}$
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6 7 8 9	13 8 5 14 13	16 8 7 14 12	Mont R _A :	hly = =	Means 39.4 37.6	21 22 23 24 25	69 68 82 70 52	58 62 68 65 54
11 12 13 14 15	29 32 29 24 21	30 26 25 27 18	८ भीषा		maggi galling states	26 27 28 29 30	57 55 48 41 41 45	52 51 58 40 37

SUDDEN IONOSPHERIC DISTURBANCES RECORDED DURING NOVEMBER 1972

DAY MAX SEA SES DEF OBSERVERS
22 1919 1- 5 A1,19,21,30,31,33,36,37

